State of California
DEPARTMENT OF TRANSPORTATION

Business, Transportation and Housing Agency

Memorandum

Flex your power!
Be energy efficient!

To: FUK NYAN KURNIAWAN
Program Advisor
Bridge Rail Upgrade

Date: September 16, 2011
File: 04-MRN-580-PM 3.3/4.5
201.112
Project ID TBD (EA 04-1A300K)
Bridge Rail Upgrade

From: BETCY JOSEPH
Project Management North

Subject: Project Initiation Document (PID) Refresher

Background

The Project Scope Summary Report (PSSR) for the above-referenced project was approved on December 19, 2003 and was "refreshed" for cost in November 2007 to program in the 2008 State Highway Operation and Protection Program (SHOPP) but not programmed. This project has been "refreshed" for cost for programming in the 2012 SHOPP.

Project Scope

This project proposes to replace bridge railing on Route 580 in Marin County at 2 locations:

- Location 1 Rte 580 at Sir Francis Drake Blvd OC-Bridge No. 27-0074
- Location 2: Rte 580 at Bellam Blvd UC-Bridge No. 27-0073L

Preliminary Project Cost Estimate

- Current project cost estimate is $1.75M
- RTL cost in January 2015 is $ 1.99M;
- Mid-year construction cost in August 2015 is $ 2.04M.
- District 04 recommended escalation rate of 4% was used for all escalation computations, with 25% contingency.

Attachments:

(1) Updated Project Schedule
(2) Updated Preliminary Project Cost Estimate
(3) Updated Support Cost Estimate
(4) Updated Right of Way Data Sheet
(5) Updated Advance Planning Studies (APS)
(6) Transportation Management Plan
(7) Updated Preliminary Environmental Analysis Report (PEAR)
(8) Updated Storm Water Data Report (SWDR)

REVISED PROJECT SCHEDULE

This revised project schedule is based on the assumption that the project will be programmed in the 2012 SHOPP which would typically set the PA&ED Phase to begin in July 2012.

Begin PA/ED	July 2012
PA/ED	July 2013
PS&E	October 2014
R/W Certification	October 2014
RTL	January 2015
Advertise	February 2015
Approve Contract	May 2015
Contact Acceptance	November 2015
End Project	February 2016

PRELIMINARY PROJECT COST ESTIMATE

DIST-CO-RTE: 04-MRN-101
PM: 3.3/4.5
EA: 1A300K
Program Code: SHOPP 201.112

Project Description: Bridge Rail Upgrade

Limits: In Marin County on Route 580 at Sir Francis Drake Blvd. OC and at Bellam Blvd. Undercrossing.

Proposed Improvement (Scope): Upgrade bridge rails at three locations:
1. Route 580 at Sir Francis Drake Blvd. (**Bridge # 27-0074**, PM 3.3)
2. Route 580 at Bellam Blvd. (**Bridge # 27-0073 L**, PM 4.5)

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	***$ 1,102,000***
TOTAL STRUCTURE ITEMS	***$ 641,069***
SUBTOTAL CONSTRUCTION COSTS	***$ 1,743,069***
TOTAL RIGHT OF WAY ITEMS	***$ 5,000***
TOTAL PROJECT CAPITAL OUTLAY COSTS	**$ 1,750,000**

Reviewed by District Program Manager _____ Date: 9/16/11
Fuk Nyan Kurniawan

Approved by Project Manager: Betsy Joseph Date: 9/16/11
Betcy Joseph

DIST-CO-RTE: 04-MRN-101
PM: 3.3/4.5
EA: 1A300K
Program Code: SHOPP 201.112

I. ROADWAY ITEMS

Section 1 - Earthwork	Quantity	Unit	Unit Price	Item Cost	Section Cost
Clearing & Grubbing	1	LS	$ -	$ -	
				Subtotal Earthwork	***$ -***

Section 2 - Pavement Structural Section	Quantity	Unit	Unit Price	Item Cost	Section Cost
				$ -	
				Subtotal Pavement Structural Items	***$ -***

Section 3 - Drainage	Quantity	Unit	Unit Price	Item Cost	Escalated Cost
Drainage Adjustment and Rehab	1	LS	$ 25,000	$ 25,000	$ 33,880
				Subtotal Drainage	***$ 33,880***

Section 4- Specialty Items	Quantity	Unit	Unit Price	Item Cost	Esc. Item Cost
Erosion Control	1	LS	$ -	$ -	$ -
Hazardous Waste Disposal	1	LS	$ 25,000	$ 25,000	$ 33,880
Crash Cushion	1	LS	$ -	$ -	$ -
Bridge Approach Guard Rail	1	LS	$ 25,000	$ 25,000	$ 33,880
Water Pollution Control	1	LS	$ 15,000	$ 15,000	$ 20,328
Curb Ramps and Sidewalk	1	LS	$ -	$ -	$ -
Electrical Work	1	LS	$ -	$ -	$ -
Prepare SWPPP	1	LS	$ -	$ -	$ -
Lead Compliance Plan	1	LS	$ -	$ -	$ -
Hazardous Waste Investigation	1	LS	$ -	$ -	$ -
Temporary Construction Site WPC	1	LS	$ -	$ -	$ -
				Subtotal Specialty Items	***$ 88,089***

DIST-CO-RTE: 04-MRN-101
PM: 3.3/4.5
EA: 1A300K
Program Code: SHOPP 201.112

Section 5 - Traffic Items	Quantity	Unit	Unit Price	Item Cost	Esc. Item Cost
Trans Mgmt Plan (CMS)	1	LS	$ 120,000	$ 120,000	$ 162,626
Trans Mgmt Plan (TMP, COZEEP)	1	LS	$ 120,000	$ 120,000	$ 162,626
Traffic Control Sys (incl Lane Closure)	1	LS	$ 180,000	$ 180,000	$ 243,939
				Subtotal Traffic Items	***$ 569,191***

Section 6 - Planting and Irrigation	Quantity	Unit	Unit Price	Item Cost	Section Cost
				$ -	
				Subtotal Planting & Irrigaton	***$ -***

Section 7 - Roadside Management and Safety	Quantity	Unit	Unit Price	Item Cost	Section Cost
Vegetation Control (Minor Concrete)	1	Yd2	$ -	$ -	
Constuction Area Signs	1	LS	$ -	$ -	
				Subtotal Roadside Management & Safety	***$ -***

TOTAL SECTIONS: 1 thru 7	**$ 691,160**
Use	**$ 691,000**

DIST-CO-RTE: 04-MRN-101
PM: 3.3/4.5
EA: 1A300K
Program Code: SHOPP 201.112

Section 8 - Minor Items

$ 691,000 x 10% = $ 69,100
(Subtotal Section 1-7)

Total Minor Items $ 69,100

Section 9 - Roadway Mobilization

Subtotal Section (1-7)	$	691,000			
Minor Items (8)	$	69,100			
Sum (1-8)	$	760,100	x 10% =	$	76,010

Total Roadway Mobilization $ 76,010

Section 10 - Roadway Additions

Supplemental Work

Subtotal Section (1-7)	$	691,000			
Minor Items (8)	$	69,100			
Sum (1-8)	$	760,100	x 10% =	$	76,010

Contingencies

Subtotal Section 1-7	$	691,000			
Minor Items (8)	$	69,100			
Sum	$	760,100	x 25% =	$	190,025

Total Roadway Additions $ 266,000

TOTAL ROADWAY ITEMS (Total of Sections 1-8) $ 1,102,000

Estimate Prepared By: Jane Powers Date: 9/13/2011
Phone #: 510-622-5433

Estimate Checked By: Nelson Bustos Date: 9/13/2011
Phone #: 510-286-5526

DIST-CO-RTE: 04-MRN-101
PM: 3.3/4.5
EA: 1A300K
Program Code: SHOPP 201.112

II. STRUCTURES ITEMS

	Structure (1)	Structure (2)	Structure (3)
Bridge Name			
Structure Type			
Width (out to out) - (ft)			
Span Lengths - (ft)			
Total Area - (ft)			
Footing Type (pile/spread)			
Cost per ft2			
Total Cost for Structure	$0	$0	$0

	Quantity	Unit	Unit Price	Item Cost	Section Cost
Bridge Rail Replacement (Total)	1	LS	$641,069	$ 641,069	

Subtotal Structures Items ***$ 641,069***
(Sum of Total Cost for Structures)

Railroad Related Costs:

Subtotal Railroad Items ***$ -***

(Structures 30% Contingency and 10% Mobilization) *Included*

TOTAL STRUCTURES ITEMS **$ 641,069**
(Sum of Structures Items & railroad Items)

COMMENTS: *Unit price for the Concrete Anchor Block was provided by Majid Madani, DES Technical Liaison Engineer on August 16, 2011.*

Estimate Prepared By: N/A Date:
Phone #:

DIST-CO-RTE: 04-MRN-101
PM: 3.3/4.5
EA: 1A300K
Program Code: SHOPP 201.112

III. RIGHT OF WAY ITEMS

	Escalated Value
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	$_____
B. Utility Relocation (State Share)	$_____
C. Relocation Assistance	$_____
D. Clearance/Demolition	$_____
E. Title and Escrow Fees	$_____

TOTAL RIGHT OF WAY ITEMS $ 5,000
(Escalated Value)

Anticipated Date of R/W Cert $_____
(Date to which Values are Escalated)

F. Construction Contract Work
Brief Description of Work:

_____

_____

_____

Right of Way Branch Cost Estimate for Work * $_____

** This dollar amount is to be included in the Roadway and/or Structures Items of Work, as appropriate. Do not include in Right of Way Items.*

COMMENTS: *** R/W Cost assumed as 1% of the total Construction Capital Cost for this project only*

Estimate Prepared By: N/A Date: _____
Phone #: _____

PRELIMINARY PROJECT COST ESTIMATE SUMMARY				
	(ORIGINAL) DEC 2003	REFRESHED SEPT 2011	RTL JAN 2015	MID-YEAR CONSTRUCTION AUG 2015
I. ROADWAY ITEMS				
Section 1 - Earthwork				
Section 2 - Pavement Structural Section				
Section 3 - Drainage				
Drainage adjustment and rehab	$25,000	$33,880	$38,612	$39,505
Section 4- Specialty Items				
Hazardous Waste Disposal		$33,880	$38,612	$39,505
Water Pollution Control	$15,000	$20,328	$23,167	$23,703
Bridge Approach Guardrail	$25,000	$33,880	$38,612	$39,505
Section 5 - Traffic Items				
Transportation Management Plan (TMP)-includes CMS	$120,000	$162,626	$185,337	$189,624
Transportation Management Plan (TMP)-COZEEP	$120,000	$162,626	$185,337	$189,624
Traffic control system (includes lane closures)	$180,000	$243,939	$278,005	$284,435
Subtotal - Section 1-5	$485,000	$691,160	$787,682	$805,900
Section 6 - Minor Items (10%)		$69,116	$78,768	$80,590
Section 7 - Mobilization (10%)	$36,000	$76,028	$86,645	$88,649
Section 8 - Supplemental Work (10%)		$76,028	$86,645	$88,649
Contingencies ***(20% for Original and 25% for Refreshed)***	**$175,200**	$190,069	$216,612	$221,622
TOTAL ROADWAY ITEMS -	$696,200	$1,102,400	$1,256,352	$1,285,410
II. STRUCTURES ITEMS				
Bridge Rail Replacement	$330,000	$419,608	$478,207	$489,267
Hazardous Waste Disposal	$25,000			
TRO (10%)		$41,961	$47,821	$48,927
Mobilization (10%)		$51,286	$58,448	$59,800
Contingencies (25%)		$128,214	$146,119	$149,499
***TOTAL STRUCTURES ITEMS -**	355,000	641,069	730,595	747,493
SUBTOTAL-CONSTRUCTION COSTS	**$1,051,200**	***$1,743,469***	***$1,986,947***	***$2,032,903***
TOTAL RIGHT OF WAY ITEMS		**$5,000**	**$5,000**	**$5,000**
TOTAL PROJECT CAPITAL OUTLAY COSTS	**$1,051,200**	**$1,748,469**	**$1,991,947**	**$2,037,903**
		Say $1.75M	***Say $1.99M***	***Say $2.04M***
SUPPORT COST				
PA/ED		$306,000		$356,184
DES		$594,000		$691,416
ROW		$50,000		$58,200
CONST		$198,000		$230,472
TOTAL SUPPORT COST		$1,148,000		$1,336,272
% TOTAL SUPPORT COST OF TOTAL PROJECT CAPITAL OUTLAY COSTS		66%		66%

T0: Office of Advance Planning – PSR II

Date 9/12/2011
Dist 4 Co Mrn Rte 580
PM 3.3/4.5

Attention: ROBERT BLANCO
District Branch Chief

EA 1A300K (04-1200 0128)

From: ENID LAU
Right of Way Resource Manager

Bridge Rail Replacement
D.S. #5982

Subject: Current Estimated Right of Way Costs

We have completed an estimate of the right of way costs for the above referenced project based on maps we received from you on August 18, 2011 and the following assumptions and limiting conditions.

[ ] 1. The mapping did not provide sufficient detail to determine the limits of the right of way required.

[ ] 2. The transportation facilities have not been sufficiently designed so our estimator could determine the damages to any of the remainder parcels affected by the project.

[ ] 3. Additional right of way requirements are anticipated, but are not defined due to the preliminary nature of the early design requirements.

[ ] 4. This estimate does not include $_____ right of way costs previously incurred on the project, which may affect the total project right of way costs for programming purposes.

[ ] 5. We have determined there are no right of way functional involvements in the proposed project at this time, as designed.

Right of Way Lead Time will require a minimum of 6 months after we begin receiving final right of way requirements (PYPSCAN node No. 224), necessary environmental clearance has been obtained, and freeway agreements have been approved. From the date of receipt of final right of way requirements (PYPSCAN node No. 265), we will require a minimum of 4 months prior to the date of certification of the project. Shorter lead times will require either more right of way resources or an increased number of condemnation suits to be filed. Either of these actions may reflect adversely on the District's other programs or our public image generally.

for Right of Way Resource Manager

Attachments:

[✓] Right of Way Data Sheet – Page One (always required)
[✓] Right of Way Data Sheet – All Pages (required when interest in real property is being acquired)
[✓] Utility Information Sheet
[ ] Railroad Information Sheet

RIGHT OF WAY DATA SHEET

TO: Office of Advance Planning
PSR II

Date 9/8/11 D.S. # 5982

Dist 04 Co Mrn Rte 580 PM 3.3, 4.5

ATTN: ROBERT BLANCO

EA 04-1A300K (04-12000128)

Project Description: Replace Bridge Rails

SUBJECT: Right of Way Data – Alternate No.

1. Right of Way Cost Estimate:

		Current Value (Future Use)	Escalation Rate	Escalated Value
A.	Acquisition, including Excess Lands, Damages, and Goodwill.	$ 0.00	%	$ 0.00
	Project Permit Fees			$ 0.00
	Grantor's Appraisal Cost			$ 0.00
B.	Utility Relocation (State Share)	$ 0.00	%	$ 0.00
C.	Relocation Assistance	$ 0.00	%	$ 0.00
D.	Clearance/Demolition	$ 0.00	%	$ 0.00
E.	Title and Escrow Fees	$ 0.00	%	$ 0.00
F.	TOTAL ESCALATED VALUE			$ 0.00
G.	Construction Contract Work	$ 0.00		

2. Anticipated Date of Right of Way Certification _____

3. Parcel Data:

Type	Dual/Appr
X	
A	
B	
C	
D	
E XXXX	
F XXXX	

Total 0

Utilities	
U4-1	
-2	
-3	
-4	
U5-7	2
-8	
-9	

RR Involvements	
None	X
C&M Agrmt	
Svc Contract	
Design	
Const.	
Lic/RE/Clauses	

Misc R/W Work	
RAP Displ	0
Clear Demo	0
Const. Permits	0
Condemnation	0

Areas: Right of Way _____ No. Excess Parcels _____ Excess _____

Enter PMCS Screens 9 / 9 / 11 by afarah

Enter AGRE Screen (Railroad data only) ___/___/___ by _____

4. Are there any major items of construction contract work?
Yes ☐ No ☒ (If yes, explain)

5. Provide a general description of the right of way and excess lands required (zoning, use, major improvements, critical or sensitive parcels, etc.). No right of way required ☒

All work is within existing right of way.

6. Is there an effect on assessed valuation?
Yes ☐ Not Significant ☐ No ☒ (If yes, explain)

7. Are utility facilities or rights of way affected? Yes ☒ No ☐
(If yes, attach Utility Information Sheet Exhibit 01-01-05)

8. Are railroad facilities or rights of way affected? Yes ☐ No ☒
(If yes, attach Railroad Information Sheet Exhibit 01-01-06)

9. Were any previously unidentified sites with hazardous waste and/or material found?
Yes ☐ None evident ☒ (If yes, attach memorandum per Procedural Handbook Volume 1, Section 101.011)

10. Are RAP displacements required? Yes ☐ No ☒
(If yes, provide the following information)

No. of single family _____ No. of business/non profit _____

No. of multi-family _____ No. of farms _____

Based on Draft/Final Relocation Impact Statement/Study dated _____, it is anticipated that sufficient replacement housing (will/will not) be available without Last Resort Housing.

11. Are there material borrow and/or disposal sites required? Yes ☐ No ☒
(If yes, explain)

12. Are there potential relinquishments and/or abandonments? Yes ☐ No ☒
(If yes, explain)

13. Are there any existing and/or potential Airspace sites? Yes ☐ No ☒
(If yes, explain)

14. Indicate the anticipated Right of Way schedule and lead time requirements. (Discuss if District proposes less that PMCS lead time and/or if significant pressures for project advancement are anticipated.)

PYPSCAN lead time (from Regular R/W to project certification) 6 months

15. Is it anticipated that all Right of Way work be performed by CALTRANS staff?
Yes ☒ No ☐ (If no, discuss)

Assumptions and Limiting Conditions

- This data sheet was completed without a hazardous waste/materials report.
- Information on this data sheet was based on maps provided by Robert Blanco on August 18, 2011.

Evaluation Prepared By: Renata Frey

Right of Way: Name Renata Frey Date 9/8/11

Railroad: Name [signature] Date 9-3-11

Utilities: Name [signature] Date 9/8/11

Recommended for Approval:

[signature]
for Right of Way Capital Cost Coordinator

I have personally reviewed this Right of Way Data Sheet and all supporting information. It is my opinion that the probable Highest and Best Use, estimated values, escalation rates, and assumptions are reasonable and proper subject to the limiting conditions set forth, and find this Data Sheet complete and current.

[signature]
for Chief, R/W Appraisal Services

9/9/11
Date

cc: Program Manager
Project Manager

UTILITY INFORMATION SHEET

1. Utility Owners located within project limits:

   No utility involvement anticipated.

2. Facilities potentially impacted by project (if known, include Owner(s) and facility type(s)):

   None

3. Anticipated Workload:
   _____ Utility Verification required
   _____ Positive Identification
   _____ Utility Relocation
   _____ Other (Specify)

4. Additional information concerning anticipated utility involvements (include limiting conditions and a narrative addressing likelihood that conflicts will occur);

   _____ Involves possible relocation of electric transmission facilities
   (If X'd, Data sheet should be forwarded to environmental)

5. PMCS input information

U4-1	____	Owner Expense Involvements	U5-7	X	Verifications-without involvements
U4-2	____	State Expense Involvements *(Conventional, No Fed Aid)*	U5-8	____	Verifications-50% involvements
U4-3	____	State Expense Involvements *(Freeway, No Fed Aid)*	U5-9	____	Verifications resulting in involvements
U4-4	____	State Expense Involvements *(Conventional or Freeway, No Fed Aid)*			

NOTE: The sum of the U-4's must equal the sum of ½ of the U5-8's and all of the U5-9's.

ESTIMATED STATE SHARE OF COSTS $0.00

Prepared by: Leo Munneke

Leo Munneke
Right of Way Utility Coordinator

9/8/11
Date

[X] AP ESTIMATE

Revised - August 30, 2011

RCVD BY: RWP

IN EST: 8/30/2011
OUT EST: 8/31/2011

BRIDGE: SIR FRANCIS DRAKE BLVD OC(Bridge Rail Replacement) **BR. No.:** 27-0074
TYPE:
CU: 04-000
EA: 1A300K

DISTRICT: 04
RTE: 580
CO: MRN
PM:

LENGTH: **WIDTH:** **AREA (SF)=**

DESIGN SECTION: 04
 # OF STRUCTURES IN PROJECT : 02 **EST. NO.**
PRICES BY : JP **COST INDEX:**
PRICES CHECKED BY : **DATE:**
QUANTITIES BY: **DATE:**

	CONTRACT ITEMS	TYPE	UNIT	QUANTITY	PRICE	AMOUNT
1	REMOVE CONCRETE BARRIER	BALUSTER	LF	1,400	$30.00	$42,000.00
2	REMOVE CONCRETE CURB		LF	1,400	$15.00	$21,000.00
3	CONCRETE BARRIER	736 (MOD.)	LF	1,400	$90.00	$126,000.00
4	TEMPORARY RAILING	TYPE K	LF	1,700	$10.00	$17,000.00
5	DRILL AND BOND DOWEL (#6)	1 1/4"X 5" HOLE	LF	1,762	$35.00	$61,670.00
6.0	DRILL & EPOXY DOWEL FOR BRACKET(3/4" thrd rod	7/8"x6 5/8" hole	FT	84	Incl. in item # 1	
7.0	REFINISH BRIDGE DECK (DECK SURFACE)		SF	1,100	$25.00	$27,500.00
8.0	PAINT BRIDGE NUMBER AND NAME		EA	1	$10.00	$10.00
9.0	JOINT SEAL (MR=)2" MAX	TYPE A	LF	177	$45.00	$7,965.00
10.0	JOINT SEAL (MR=)2" MAX	TYPE B	LF	59	$40.00	$2,360.00
11.0	TIMBER BOARDS (TEMPERARY PLATFORM)		BDFT	19,136	Incl. in item # 1	

ROUTING

1. DES SECTION
2. OFFICE OF BRIDGE DESIGN - NORTH
3. OFFICE OF BRIDGE DESIGN - CENTRAL.
4. OFFICE OF BRIDGE DESIGN - SOUTH
5. OFFICE OF BRIDGE DESIGN - WEST
6. OFFICE OF BRIDGE DESIGN SOUTHERN CALIFORNIA

SUBTOTAL	$305,505
TIME RELATED OVERHEAD	$30,551
MOBILIZATION (@ 10 %)	$37,340
SUBTOTAL BRIDGE ITEMS	$373,395
CONTINGENCIES @ 25%	$93,349
BRIDGE TOTAL COST	$466,744
COST PER SQ. FOOT	
BRIDGE REMOVAL (CONTINGENCIES INCL.)	
WORK BY RAILROAD OR UTILITY FORCES	
GRAND TOTAL	$466,744
BUDGET ESTIMATE AS OF 8/31/11	**$467,000**

COMMENTS:

[X] AP ESTIMATE

Revised - August 30, 2011

RCVD BY: RWP

IN EST: 8/30/2011
OUT EST: 8/31/2011

BRIDGE: BELLAM BLVD UC (Bridge Rail Replacement) BR. No.: 27-0073L DISTRICT: 04
TYPE: RTE: 580
CU: 04-000 CO: MRN
EA: 1A300K PM:
LENGTH: WIDTH: AREA (SF)=

DESIGN SECTION: 04
OF STRUCTURES IN PROJECT : 02 EST. NO.
PRICES BY : JP COST INDEX:
PRICES CHECKED BY : DATE:
QUANTITIES BY: DATE:

	CONTRACT ITEMS	TYPE	UNIT	QUANTITY	PRICE	AMOUNT
1	REMOVE CONCRETE BARRIER	BALUSTER	LF	304	$30.00	$9,120.00
2	REMOVE CONCRETE CURB		LF	304	$15.00	$4,560.00
3	CONCRETE BARRIER	736 (MOD.)	LF	304	$90.00	$27,360.00
4	BRIDGE REMOVAL (PORTION), (OVERHANG)		CY	14	$1,000.00	$14,000.00
5	DRILL AND BOND DOWEL (#6)	1 1/4" X 5" HOLE	LF	374	$35.00	$13,090.00
6	DRILL AND BOND DOWEL (CHEMICAL ADHESIVE)		EA	408	$50.00	$20,400.00
7	DRILL & EPOXY DOWEL FOR BRACKET(3/4" thrd rod	7/8"x6 5/8" hole	FT	31	Incl. in item # 1	
8	STRUCTURAL CONCRETE, BRIDGE		CY	14	$750.00	$10,500.00
9	TEMPORARY RAILING	TYPE K	LF	664	$10.00	$6,640.00
10	TIMBER BOARDS (TEMPERARY PLATFORM)		BDFT	6344	Incl. in item # 1	
11	REFINISH BRIDGE DECK (DECK SURFACE)		FT2	243	$25.00	$6,075.00
12	PAINT BRIDGE NUMBER AND NAME		EA	1	$10.00	$10.00
13	BAR REINFORCING STEEL (BRIDGE)		LB	1,174	$2.00	$2,348.00

SUBTOTAL	$114,103
TIME RELATED OVERHEAD	$11,410
MOBILIZATION (@ 10 %)	$13,946
SUBTOTAL BRIDGE ITEMS	$139,459
CONTINGENCIES @ 25%	$34,865
BRIDGE TOTAL COST	$174,324
COST PER SQ. FOOT	
BRIDGE REMOVAL (CONTINGENCIES INCL.)	
WORK BY RAILROAD OR UTILITY FORCES	
GRAND TOTAL	$174,324
BUDGET ESTIMATE AS OF 8/31/11	**$174,000**

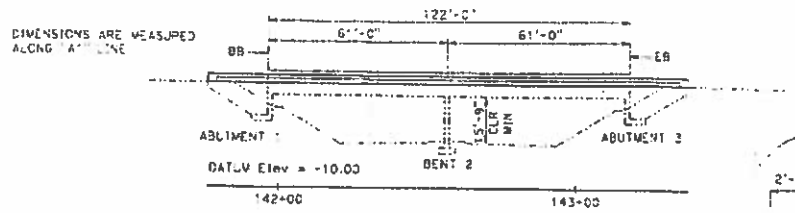
ROUTING

1. DES SECTION
2. OFFICE OF BRIDGE DESIGN - NORTH
3. OFFICE OF BRIDGE DESIGN - CENTRAL
4. OFFICE OF BRIDGE DESIGN - SOUTH
5. OFFICE OF BRIDGE DESIGN - WEST
6. OFFICE OF BRIDGE DESIGN SOUTHERN CALIFORNIA

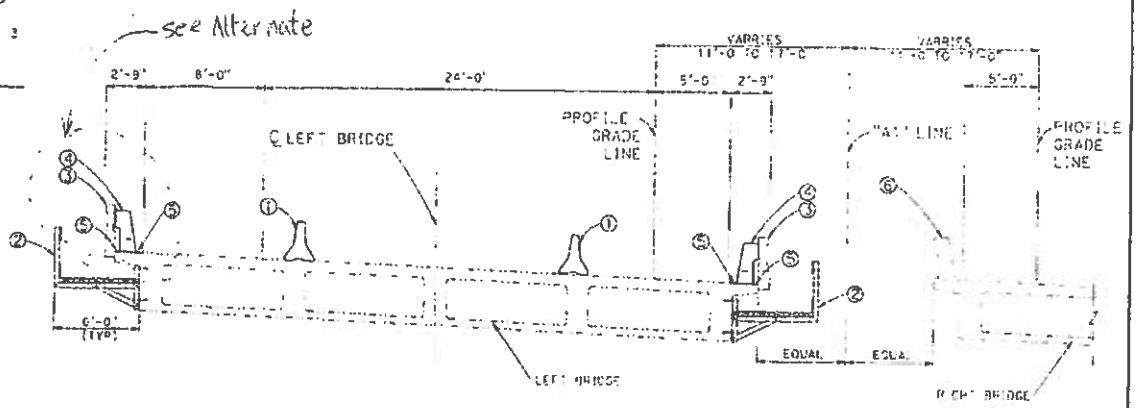
COMMENTS:

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DIVISION OF STRUCTURES

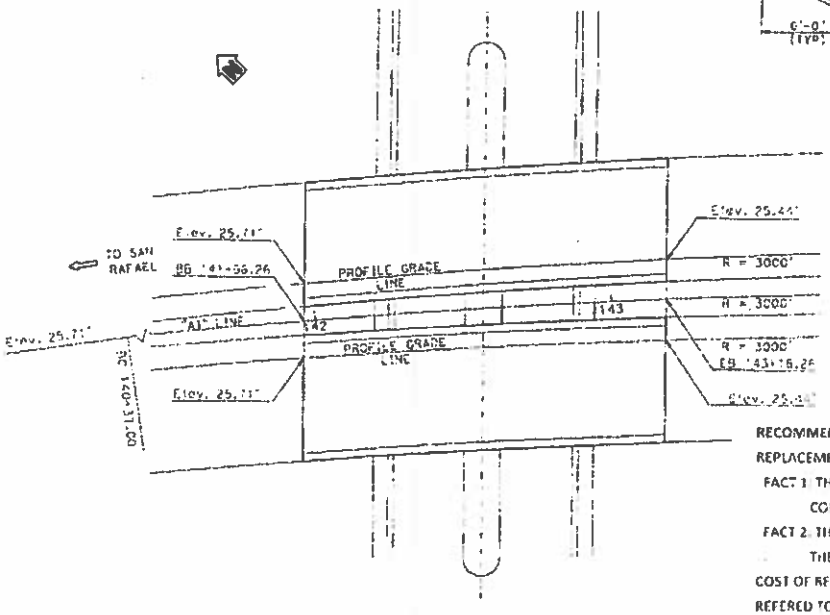
DIST	COUNTY	ROUTE	POST MILE
X	X	X	X



ELEVATION
1" = 20'



TYPICAL SECTION
¼"=1'-0"
LEFT BRIDGE SHOWN
RIGHT BRIDGE SIMILAR



PLAN
1" = 20'

DATE OF ESTIMATE	=	8/31/2011
CONCRETE BARRIER LENGTH (REPLACEMENT)	=	304 FT
AREA OF BRIDGE REMOVAL	=	549 SF
COST OF BRIDGE REMOVAL	=	$21,000
COST/FT INCLUDING 10% MOBILIZATION & 25% CONTINGENCY	=	$572.37
TOTAL COST	=	$174,000

RECOMMENDATION:

REPLACEMENT OF THIS ENTIRE BRIDGE INSTEAD OF REPLACEMENT OF BRIDGE BARRIER:

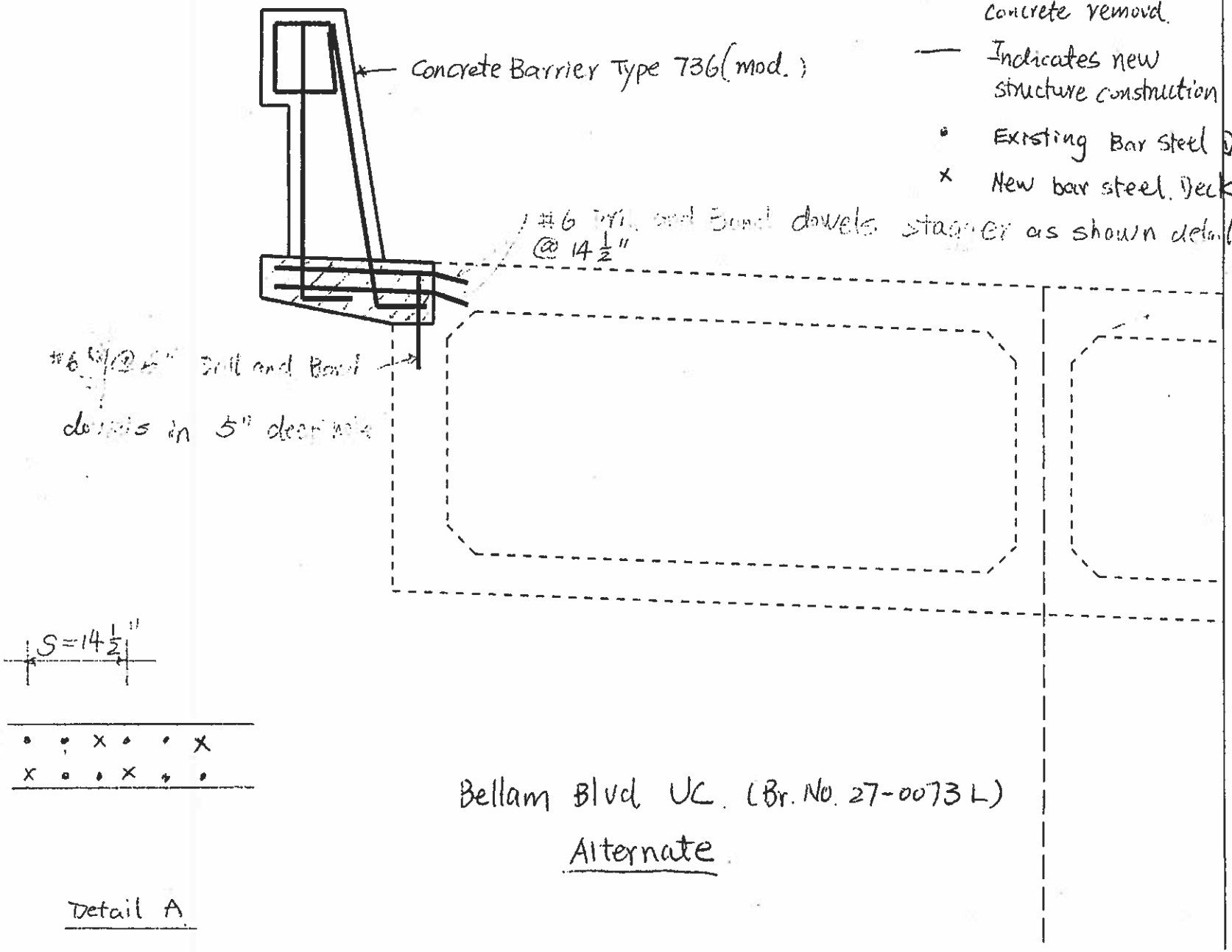
FACT 1: THE REPLACEMENT OF THE ADJACENT RIGHT BRIDGE (BR. No 27-0073 R) IS COMPLETED ON 11/30/2010

FACT 2: THIS LEFT BRIDGE WAS BUILT IN 1959. THE REPORT OF INSPECTIONS SHOW THERE ARE A LOT OF DEFECTS ON THIS BRIDGE

COST OF REPLACEMENT OF BRIDGE REFERED TO THE CONSTRUCTION COST OF THE ADJACENT NEW RIGHT BRIDGE (BR No.27-0073R)

① TEMPORARY RAILING TYPE "K"
② TEMPORARY PLATFORM
③ (E) BARRIER TO BE REMOVED
④ (N) BARRIER TYPE ~~132~~ 736 mod.
⑤ PATCH & REPAIR DAMAGED DECK SURFACE
⑥ RIGHT BRIDGE ~~REMOVAL TO REMAIN~~ replacement has been completed on 11/30/2010 see report of completion - Bridges (Br. No 27-0073 R)

DESIGNED BY	M. Omran	DATE	04/19/2011	STRUCTURE DESIGN BRANCH 4	BARRIER REPLACEMENT
DRAWN BY	X	DATE	X		BELLAM BLVD. UC
CHECKED BY	X	DATE	X	BRIDGE NO. 27-0073 L	UNIT: X
APPROVED	X	DATE	X	SCALE: AS NOTED	PROJECT NUMBER & PHASE: 04 1A1000A
				CONTRACT NO.: X	



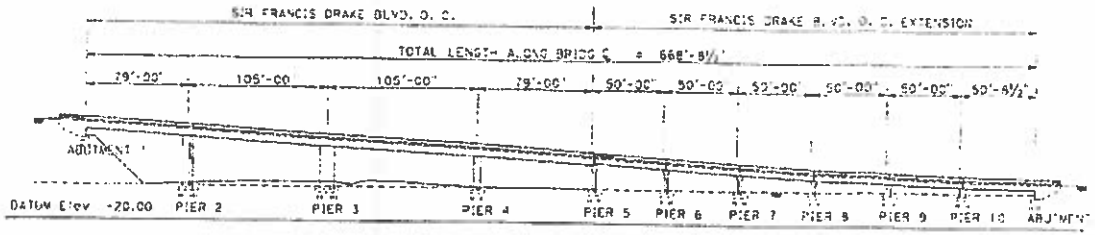
Bellam Blvd UC. (Br. No. 27-0073L)

Alternate

Detail A

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DIVISION OF STRUCTURES

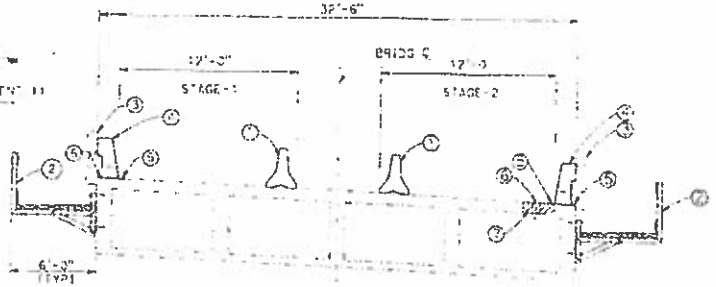
DIST	COUNTY	ROUTE	POST MILE
X	X	X	X



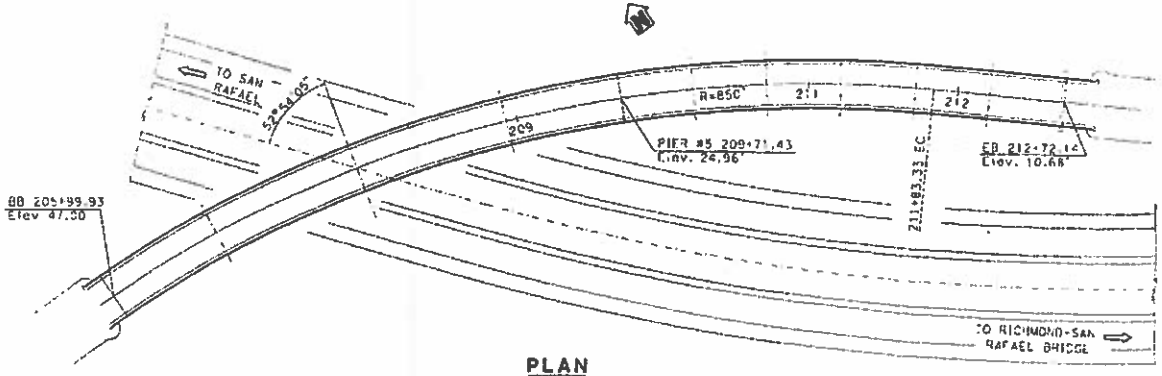
ELEVATION
1" = 40'

① TEMPORARY RAILING TYPE "K"
② TEMPORARY PLATFORM FOR SPAN 2, 3 &4
③ (E) BARRIER TO BE REMOVED
④ (N) BARRIER TYPE 732 736(MOD.)
⑤ PATCH & REPAIR DAMAGED DECK SURFACE
⑥ RELOCATE (E) TYPE "A" DECK DRAIN (TOTAL 4)
⑦ REMOVE 2'-0" X 1'-6" AREA OF (E) DECK CONCRETE AND CAST (N) CONCRETE AFTER RELOCATING THE DECK DRAINS

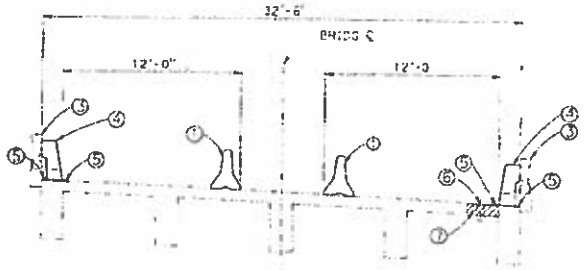
DATE OF ESTIMATE	=	8/31/2011
CONCRETE BARRIER LENGTH (REPLACEMENT)	=	1400 FT
COST/FT INCLUDING 10% MOBILIZATION & 25% CONTINGENCY	=	$333.57
TOTAL COST	=	$467,000



TYPICAL SECTION
SPANS 1 THROUGH 5
¼"=1'-0"



PLAN
1" = 40'



TYPICAL SECTION
SPANS 5 THROUGH 10
¼"=1'-0"

L. Barnard

DESIGNED BY	M. Orrar	DATE	04/19/2011
DRAWN BY	M. Orrar	DATE	04/19/2011
CHECKED BY	X	DATE	X
APPROVED	X	DATE	X

STRUCTURE DESIGN BRANCH 4

BARRIER REPLACEMENT
SIR FRANCIS DRAKE BLVD OC

BRIDGE NO. 27-0074	UNIT: X
SCALE: AS NOTED	PROJECT NUMBER & PHASE: 04-1A3604

CONTRACT NO.: X

TRANSPORTATION MANAGEMENT PLAN DATA SHEET
(Preliminary TMP Elements and Costs)

Co/Rte/PM MRN/580/3.3-4.5 EA 1A300K Project Engineer Jane Power

Project Limit In Marin County, on Route 580, replace existing bridge rails at the following locations: 1) Sir Francis Drake Blvd O/C; 2) BellamBlvd U/C

Project Description Bridge Rail Replacement

1) Public Information

☐	a. Brochures and Mailers	$
☒	b. Press Release	
☐	c. Paid Advertising	$
☐	d. Public Information Center/Kiosk	$
☐	e. Public Meeting/Speakers Bureau	
☐	f. Telephone Hotline	
☐	g. Internet, E-mail	
☐	h. Notification to impacted groups (i.e. bicycle users, pedestrians with disabilities, others…)	
☒	i. Others _____	$ 5,000.00

2) Traveler Information Strategies

☐	a. Changeable Message Signs (Fixed)	$
☒	b. Changeable Message Signs (Portable)	$ 10,000.00
☒	c. Ground Mounted Signs	$ 5,000.00
☐	d. Highway Advisory Radio	$
☐	e. Caltrans Highway Information Network (CHIN)	
☐	f. Detour maps (i.e. bicycle, vehicle, pedestrian...etc)	
☐	g. Revised Transit Schedules/maps	
☐	h. Bicycle community information	
☐	i. Others	
	_____	$

3) Incident Management

☒	a. Construction Zone Enhanced Enforcement Program (COZEEP)	$ 240,000.00
☐	b. Freeway Service Patrol	$
☐	c. Traffic Management Team	
☐	d. Helicopter Surveillance	$
☐	e. Traffic Surveillance Stations (Loop Detector and CCTV)	$
☐	f. Others _____	$

TMP Data Sheet (cont.)

4) Construction Strategies

- [x] a. Lane Closure Chart
- [ ] b. Reversible Lanes
- [ ] c. Total Facility Closure
- [ ] d. Contra Flow
- [ ] e. Truck Traffic Restrictions $ _____
- [ ] f. Reduced Speed Zone $ _____
- [ ] g. Connector and Ramp Closures
- [ ] h. Incentive and Disincentive $ _____
- [ ] i. Moveable Barrier $ _____
- [ ] _____ _____
- [ ] k. Others _____ $ _____

5) Demand Management

- [ ] a. HOV Lanes/Ramps (New or Convert) $ _____
- [ ] b. Park and Ride Lots $ _____
- [ ] c. Rideshare Incentives $ _____
- [ ] d. Variable Work Hours
- [ ] e. Telecommute
- [ ] f. Ramp Metering (Temporary Installation) $ _____
- [ ] g. Ramp Metering (Modify Existing) $ _____
- [ ] h. Others _____ $ _____

6) Alternate Route Strategies

- [ ] a. Add Capacity to Freeway Connector $ _____
- [ ] b. Street Improvement (widening, traffic signal... etc) $ _____
- [ ] c. Traffic Control Officers $ _____
- [ ] d. Parking Restrictions
- [ ] e. Others _____ $ _____

7) Other Strategies

- [ ] a. Application of New Technology $ _____
- [ ] e. Others _____ $ _____

TOTAL ESTIMATED COST OF TMP ELEMENTS = $ 260,000.00

*Please note that any change in project scope, schedule, or cost will require resubmittal of TMP Data Sheet request.

PREPARED BY Louis Wong DATE 8/25/2011

APPROVAL RECOMMENDED BY Shein Lin DATE 8/25/2011

PRELIMINARY ENVIRONMENTAL ANALYSIS REPORT

Project Information

District	County	Route	PM	EA
04	MRN	580	3.3/4.5	1A300K
Project Title: Bridge Rails Project on Sir Francis Drake Blvd. Overcrossing and Bellam Undercrossing				
Project Manager Betcy Joseph			Phone # 510.286.5097	
Project Engineer Robert Blanco			Phone # 510.622.0761	
Environmental Office Chief/Manager Melanie Brent			Phone # 510.286.5231	
PEAR Preparer Phillip Badal			Phone # 510.622.1746	

Project Description

Purpose and Need

The project is to replace bridge rails at two locations on Route 580 in Marin County for programming in the 2012 SHOPP. The original PSSR was approved in 2003, and was refreshed for cost in 2007 for programming in 2008 SHOPP.

Description of work

This project will replace existing reinforced concrete baluster bridge rails with the latest standard bridge rails in Marin County on Route 101. Updated bridge rails will be concrete barriers, Type 732, and Type 80, which provide enhanced ability to prevent an errant vehicle from leaving the structure and reduce the severity potential crashes.

Alternatives

Build alternative is described above. If this project is not complete, the existing non-standard bridge rails will remain as is.

Anticipated Environmental Approval

CEQA		NEPA	
Environmental Determination			
Statutory Exemption	☐		
Categorical Exemption	☒	Categorical Exclusion	☒
Environmental Document			
Initial Study or Focused Initial Study with proposed Negative Declaration (ND) or Mitigated ND	☐	Routine Environmental Assessment with proposed Finding of No Significant Impact Complex Environmental Assessment with proposed Finding of No Significant Impact	☐ ☐
Environmental Impact Report	☐	Environmental Impact Statement	☐
CEQA Lead Agency (if determined): The California Department of Transportation (Caltrans) is the lead CEQA Agency for the project. FHWA assigned, and Caltrans has assumed, all of the United States Department of Transportation (USDOT) Secretary's responsibilities under NEPA.			
Estimated length of time (months) to obtain environmental approval:			3
Estimated person hours to complete identified tasks: Completing environmental document and work through construction phase.			1020

PEAR Technical Summaries

Visual/Aesthetics:

BCDC requested the use of Type 80 railing on Corte Madera Creek mainline to enhance motorist's view of the scenery.

Water Quality and Storm Water Runoff:

Construction will adhere to the Department Statewide National Pollutant Discharge Elimination System (NPDES) Permit. To comply with this permit, a Water Pollution Control Program (WPCP) must be developed and implemented, per Standard Special Provision (SSP) 07-340. Pursuent to the Department Stormwater Management Plan (SWMP), temporary and permanent Best Management Practices (BMPs) shall be considered and incorporated, as necessary, using Best Available Technology (BAT) to the Maximum Extent Practicable (MEP). Such BMPs are recommended, in order to minimize, or prevent, any potential increased impact to existing water quality.

Cultural Resources:

In term of archaeology, there is a low sensitivity because no ground disturbing activities will occur. A record search will be required to ensure no historic properties will be affected. The project may be screenable under Section 106 PA, as all bridges are Category 5 in Bridge Inventory (not historic properties).

Hazardous Waste/Materials:

Initial Site Assessment will include special provision (SSP 15-300) for asbestos in yellow traffic stripe. Concrete rails on both bridges must be tested for asbestos.

Biological Environment:

The habitat for the project sites is Highway 580, which is a very heavily traveled, 6-lane divided highway.

Potential impacts of the bridge rail replacement project on biological conditions along SR-101, in Marin County, were assessed by Steven Harris, Caltrans Biologist on 7-9 September 2011. Mr. Harris reviewed the project design, biological surveys, CNDDB, aerial photography, and maps of State and Federally Listed Species to determine potential project impacts on listed species, wetland, waters of the State, and waters of the U.S.

The California Department of Fish and Game (CDFG) California Natural Diversity Database (CNDDB) and the U.S. Fish and Wildlife Service (USFWS) list threatened/endangered species that have the potential to occur in the San Quentin, San Francisco North, San Rafael, and Point Bonita U.S. Geological Survey (USGS) Quadrangles, which cover the project area. However, the highly disturbed and urban locations of this project make it unlikely that the project will impact any T/E species.

Biological Resources

Birds:
Compliance with the Migratory Bird Treaty Act (MBTA) regarding nesting birds will be required. Surveys for migratory birds that may be nesting under project the bridges may be required. Exclusionary netting and limiting the construction timeframe to avoid nesting season (February 15 to September 1) may be required. If an active bird nest with eggs is found, the nests must be monitored before and during the construction period to ensure that the birds are not disturbed. Project work will occur within the paved roadway; therefore, biological impacts are expected to be minimal.

Fisheries:
The project site close to wetlands, streams, and ditches. Salmon species are not found in the area around the project site.

Regardless of the presence of special status species in the area, full attention and effort should be given to BMP's to prevent sediments from running off the project site and any stream and ditches in the region.

Mammals

Mice:

The salt-marsh harvest mouse (*Reithrodontomys raviventris*), Federally and California listed as endangered, has been observed in the project area. Therefore, full attention and effort should be given to BMP's to prevent sediments from running off the project site and potentially impacting marsh land and any stream and ditches in the region.

Bats:

pallid bats (*Antrozous pallidus*), California species of concern, has been observed in the project area. Surveys for any bats roosting under the bridges may be required. If an active bat roost is found, the roost must be monitored before and during the construction period to ensure that the bats are not disturbed. Project work will occur within the paved roadway; therefore, biological impacts are expected to be minimal.

Plants:

The highly disturbed and urban locations of this project make it unlikely that the project will impact any T/E plants species.

Physical Resources

Waters/Wetlands:
The project site is adjacent to wetlands, streams, and ditches. In the event that equipment staging could affect the potential wetland located near the project site, ESA fencing would be needed to keep project activities and materials out of this area. Potential wetland may need to be delineated to determine whether is under the US Army Corps of Engineers (USACOE) jurisdiction.

Permits

Full attention and effort should be given to preventing and sediments from running off the project site and entering Waters of the U.S. Release of sediments from the project site may require USACE's 404 Nationwide Permit, the California Department of Fish and Game's 1602 Agreement, and the U.S. Fish and Wildlife's Biological Opinion. In addition, a Clean Water Act Section 401 Water Quality Certification Permit from the Regional Water Quality Control Board may be required.

Mitigation

The project requires implementation of standard Caltrans erosion control, housekeeping, spill prevention, and Best Management Practices (BMP's). In addition, the project may require fencing of Environmentally Sensitive Area's (ESA) to prevent impacts to off-site resources.

Disclaimer

This Preliminary Environmental Analysis Report (PEAR) provides information to support programming of the proposed project. It is not an environmental determination or document. Preliminary analysis, determinations, and estimates of mitigation costs are based on the project description provided in the Project Scope Summary Report (PSSR). The estimates and conclusions in the PEAR are approximate and are based on cursory analyses of probable effects. A reevaluation of the PEAR will be needed for changes in project scope or alternatives, or in environmental laws, regulations, or guidelines.

Review and Approval

I confirm that environmental cost, scope, and schedule have been satisfactorily completed and that the PEAR meets all Caltrans requirements. Also, if the project is scoped as a routine EA, complex EA, or EIS, I verify that the HQ DEA Coordinator has concurred in the Class of Action.

Valerie Shearer
Environmental Branch Chief

Date: 9/15/2011

Betsy Joseph
Project Manager

Date: 9/16/2011

REQUIRED ATTACHMENTS:

PEAR Environmental Studies Checklist
PEAR Environmental Commitments Cost Estimate

Environmental Technical Reports or Studies Required (1A300K)

	Study or Report	Document Text Only	Not Anticipated
Community Impact Study	☐	☐	☒
Farmland	☐	☐	☒
Section 4(f) Evaluation	☐	☐	☒
Visual Resources	☐	☒	☐
Water Quality	☐	☐	☒
Floodplain Evaluation	☐	☐	☒
Noise Study	☐	☐	☒
Air Quality Study	☐	☐	☒
Paleontology	☐	☐	☒
Wild and Scenic River Consistency	☐	☐	☒
Cumulative Impacts	☐	☐	☒
Growth Inducing/Indirect Impacts	☐	☐	☒
Cultural			
Archaeological Survey Report (ASR)	☐	☐	☐
Historic Resources Evaluation Report (HRER)	☐	☐	☐
Historic Property Survey Report (HPSR)	☐	☒	☐
Historical Resource Compliance Report	☐	☐	☒
SHPO / PRC 5024.5	☐	☐	☒
Native American Coordination	☐	☐	☒
Other Finding of Effect:	☐	☐	☒
Data Recovery Plan:	☐	☐	☒
Memorandum of Agreement* (*if Federal Permit is required)	☐	☐	☒
Hazardous Waste			
ISA (Additional)	☒	☐	☐
PSI	☐	☐	☒
Other	☐	☐	☒
Biological			
Endangered Species (Federal)	☐	☐	☒
Endangered Species (State)	☐	☐	☒
Species of Concern (CNPS, USFS, BLM, S, F)	☐	☐	☒
Biological Opinion (USFWS, NMFS, State)	☐	☐	☒
Fish Passage Barriers Assessment	☐	☐	☒
Wetlands	☐	☐	☒
Invasive Species	☐	☐	☒
Natural Environment Study	☐	☒	☐
NEPA 404 Coordination	☐	☐	☒
Other	☐	☐	☒

PEAR Mitigation and Compliance Cost Estimate*

District 04	County Marin	Route 580	PM 3.3/4.5	EA 1A300K

Description of Work: Bridge Rails Replacement on Sir Francis Drake Blvd. OC and Bellam Road UC.

Project Manager	Betcy Joseph	Date	
Prepared by	Phillip Badal	Date	

	Mitigation			Compliance
	Project Feature[1]	Enviro. Obligation[2]	Statutory Require.[3]	Permit & Agreement[4]
Fish & Game 1602 Agreement				
Coastal Development Permit				
State Lands Agreement				
NPDES Permit				
COE 404 Permit- Nationwide				
COE 401 Permit				
COE Section 10 Permit				
COE Section 9 Permit				
Other: Noise attenuation				
Special landscaping				
Archaeological				
Biological				
Wetland/riparian				
Historical				
Scenic resources				
Asbestos Testing/Mitigation				
Other: Landscaping				
TOTAL (included in project cost estimate)	TBD	TBD	TBD	TBD

Costs are to include all costs to complete the commitment including: 1) capital outlay and staff support; 2) cost of right-of-way or easements; 3) long-term monitoring and reporting; and 4) any follow-up maintenance.

[1] Mitigation that Caltrans would normally do if not required by a permit or environmental agreement.
[2] Mitigation that Caltrans would not normally do but is required by conditions of a permit or environmental agreement.
[3] Mitigation that Caltrans would not normally do and is not required by a permit or Enviro. Agreement, but is required by a law.
[4] Non-mitigation Caltrans would not normally do but is required by conditions of a permit or agreement.

Dist-County-Route:04-MRN-580_____
Post Mile Limits:3.3/4.5_____
Project Type: Bridge Rail Replacement_____
Project EA:1A300K_____
Program Identification:_____
Phase: ☒ PID
☐ PA/ED
☐ PS&E

Regional Water Quality Control Board(s): Region 2 San Francisco_____

1.	Is the project required to consider incorporating Treatment BMPs?	Yes ☐	No ☒
2.	Does the project disturb 5 or more acres of soil?	Yes ☐	No ☒
3.	Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver?	Yes ☐	No ☒
4.	Does the project potentially create permanent water quality impacts?	Yes ☐	No ☒
5.	Does the project require a notification of ADL reuse	Yes ☐	No ☒

If the answer to any of the preceding questions is "Yes", prepare a Long Form – Storm Water Data Report.

Estimate Construction Start Date: TBD_____ Construction Completion Date: TBD_____

Separate Dewatering Permit (if yes, permit number) Yes ☐ Permit #_____ No ☒

Erosivity Waiver Yes ☐ Date: _____ No ☒

This Short Form – Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

Amalio A. Angeles 9/15/11

Amalio Angeles, Registered Project Engineer *Date*

I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

Norman Gonsalves 9/15/2011

Norman Gonsalves, District/Regional SW Coordinator *Date*

[Stamp Required for PS&E only)

1. Project Description

This project will replace the existing concrete guardrails at two bridges, Sir Francis Drake Boulevard Overcrossing and Bellam Boulevard Undercrossing. The two bridges were built in 1957 and 1959, respectively and have non-standard reinforced concrete baluster rails. The existing rails could fail to keep an errant vehicle from leaving the bridge structure in the event of a collision.

The existing concrete curb and barrier are to be removed and replaced with a Concrete Barrier Type 732. The type 732 barrier is stronger and taller than the existing barrier and should be able to withstand a vehicular impact.

Asbestos containing components might be present in the bridge components.

The project will disturb 0.01acres of soil and involve the demolition of Portland Cement Concrete (PCC) and laying of new PCC. There will be no added impervious area and no reworked soil area.

The project lies in Hydrological Sub Area (HSA) 203.20 and drains into the San Francisco Bay, Central.

2. Construction Site BMPs

A WPCP will be used since the project disturbs less than an acre of soil. Other Construction Site BMPs are being considered such as portable concrete washout and street sweeping. Caltrans will decide in the PS&E phase which Construction Site BMPs will be included as separate bid line items.

3. Required Attachments

Vicinity Map

Evaluation Documentation Form

District 4 Construction Concurrence Memo

DATE:09/14/2011

Project EA: 1A300K

NO.	CRITERIA	YES ✓	NO ✓	SUPPLEMENTAL INFORMATION FOR EVALUATION
1.	Begin Project Evaluation regarding requirement for consideration of Treatment BMPs	✓		See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs. Go to 2
2.	Is this an emergency project?		✓	If **Yes**, go to 10. If **No**, continue to 3.
3.	Have TMDLs or other Pollution Control Requirements been established for surface waters within the project limits? Information provided in the water quality assessment or equivalent document.		✓	If **Yes**, contact the District/Regional NPDES Coordinator to discuss the Department's obligations under the TMDL (if Applicable) or Pollution Control Requirements, go to 9 or 4. JM (*Dist./Reg. SW Coordinator initials*) If **No**, continue to 4.
4.	Is the project located within an area of a local MS4 Permittee?	✓		If **Yes**. *(write the MS4 Area here)*, go to 5. If **No**, document in SWDR go to 5.
5.	Is the project directly or indirectly discharging to surface waters?	✓		If **Yes**, continue to 6. If **No**, go to 10.
6.	Is it a new facility or major reconstruction?		✓	If **Yes**, continue to 8. If **No**, go to 7.
7.	Will there be a change in line/grade or hydraulic capacity?		✓	If **Yes**, continue to 8. If **No**, go to 10.
8.	Does the project result in a net increase of one acre or more of new impervious surface?			If **Yes**, continue to 9. If **No**, go to 10. *(Net Increase New Impervious Surface)*
9.	Project is required to consider approved Treatment BMPs.		See Sections 2.4 and either Section 5.5or 6.5 for BMP Evaluation and Selection Process. Complete Checklist T-1 in this Appendix E.	
10.	Project is not required to consider Treatment BMPs. JM (*Dist./Reg. Design SW Coord. Initial(s)*) (*Project Engineer Initials*) 9/15/11 (*Date*)	✓	Document for Project Files by completing this form, and attaching it to the SWDR.	

1 ***See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs***

State of California
DEPARTMENT OF TRANSPORTATION

Business, Transportation and Housing Agency

Memorandum

Flex your power!
Be energy efficient!

To: NORMAN GONSALVES
District Storm Water Coordinator
Office of Water Quality

Date: February 7, 2011

File:

From: **DEPARTMENT OF TRANSPORTATION - District 4**
Office of Construction Environmental Engineering Support

Subject: Division of Construction Concurrence with Storm Water Data Reports for WPCP Projects

This memo provides concurrence with your office's determination on Storm Water Data Reports for those projects that only require a Water Pollution Control Program (WPCP). However, WPCP projects that are located in environmentally sensitive areas or over a water body will still require review by my office.

The Office of Construction Environmental Engineering Support will review and provide input to all projects requiring a Storm Water Pollution Prevention Plan (SWPPP). Please ensure that adequate review time is provided for each of these projects.

If you have any comments or questions regarding this concurrence, please contact me at (510) 867-6007.

Thank You.

DRAGOMIR BOGDANIĆ, PE
Senior Transportation Engineer
Dist 4 Construction Storm Water Coordinator